

**UTILITY PATENT APPLICATION TRANSMITTAL**  
(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No. 006161.P001  
(maximum 12 characters)

First Named Inventor GANG GU

Title: NANOTUBE CHEMICAL SENSOR BASED ON WORK FUNCTION OF ELECTRODES

Express Mail Label No. EV 336 589 777 US

22154 U.S. PTO  
10/723117



ADDRESS TO: Mail Stop Patent Application  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, Virginia 22313-1450

**APPLICATION ELEMENTS**

See MPEP chapter 600 concerning utility patent application contents.

1.   X   **Fee Transmittal Form (e.g., PTO/SB/17)**  
(Submit an original and a duplicate for fee processing)
2.   X   **Applicant Claims Small Entity Status. (37 CFR 1.27)**
3.   X   **Specification (Total Pages   24  )**  
(preferred arrangement set forth below)
  - Descriptive Title of the Invention
  - Cross Reference to Related Applications
  - Statement Regarding Fed sponsored R & D
  - Reference sequence listing, a table,  
or a computer program listing appendix
  - Background of the Invention
  - Brief Summary of the Invention
  - Brief Description of the Drawings (if filed)
  - Detailed Description
  - Claim(s)
  - Abstract of the Disclosure
4.   X   **Drawings(s) (35 USC 113) (Total Sheets   10  )**
5.   X   **Oath or Declaration (Total Pages   4  )**
  - a.   X   Newly Executed (Original or Copy)
  - b.        Copy from a Prior Application (37 CFR 1.63(d))  
(for Continuation/Divisional with Box 18 completed)
  - i.        DELETIONS OF INVENTOR(S) Signed statement attached deleting  
inventor(s) named in the prior application, see 37 CFR 1.63(d)(2)  
and 1.33(b).
  - c.        Unsigned.
6.        **Application Data Sheet. (37 CFR 1.76)**
7.        CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)
8.        Nucleotide and/or Amino Acid Sequence Submission  
(if applicable, all necessary)
  - a.        Computer Readable Form (CRF)
  - b.        Specification Sequence Listing on:
    - i.        CD-ROM or CD-R (2 copies); or
    - ii.        paper
  - c.        Statements verifying identity of above copies

| ACCOMPANYING APPLICATION PARTS   |  |   |
|--|--|---|
| 9.   | <input checked="" type="checkbox"/> <b>Assignment Papers (cover sheet &amp; documents(s))</b>  |   |
| 10.  | <input type="checkbox"/> a. Separate 37 CFR 3.73(b) Statement (where there is an assignee)<br><input type="checkbox"/> b. Power of Attorney  |   |
| 11.  | <input type="checkbox"/> English Translation Document (if applicable)  |   |
| 12.  | <input type="checkbox"/> a. Information Disclosure Statement (IDS)/PTO-1449 (or PTO/SB/08)<br><input type="checkbox"/> b. Copies of IDS Citations  |   |
| 13.  | <input type="checkbox"/> <b>Preliminary Amendment</b>  |   |
| 14.  | <input checked="" type="checkbox"/> <b>Return Receipt Postcard (MPEP 503) (Should be specifically itemized)</b>  |   |
| 15.  | <input type="checkbox"/> Certified Copy of Priority Document(s) (if foreign priority is claimed)   |   |
| 16.  | <input type="checkbox"/> <b>Nonpublication Request under 35 U.S.C. 122(b)(2)(B)(i). <u>Applicant must attach form PTO/SB/35 or its equivalent.</u></b>   |   |
| 17A.   | <input type="checkbox"/> Claim for Foreign Priority  |   |
| 17B.   | <input type="checkbox"/> Other: _____  |   |
| 17C.   | <input checked="" type="checkbox"/> Pursuant to 37 C.F.R. 1.136(a)(3), applicant(s) hereby request and authorize the U.S. Patent and Trademark Office to (1) treat any concurrent or future reply that requires a petition for extension of time as incorporating a petition for extension of time for the appropriate length of time and (2) charge all required fees, including extension of time fees and fees under 37 C.F.R. 1.16 and 1.17, to Deposit Account No. 02-2666. |   |
| <b>18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in the first sentence of the specification following the title (e.g., by way of preliminary amendment), or in an Application Data Sheet Under 37 C.F.R. 1.76:</b>  |  |   |
| <input type="checkbox"/> Continuation<br>Of Prior Application No.: _____<br>(which is a _____ continuation/<br>which is a _____ continuation/  | <input type="checkbox"/> Divisional<br>Examiner _____<br>(which is a _____ divisional/<br>which is a _____ divisional/   | <input type="checkbox"/> Continuation-in-part (CIP)<br>Group Art Unit _____<br>(which is a _____ CIP of prior application no. _____)<br>(which is a _____ CIP of prior application no. _____) (List entire chain of priority) |
| <b>Applicant(s): Also include a Preliminary Amendment to amend the specification to claim priority.</b><br><b>For CONTINUATION AND DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation <u>can only</u> be relied upon when a portion has been inadvertently omitted from the submitted application parts.</b> |  |   |
| <b>19. Correspondence Address</b><br>Customer Number or Bar Code Label _____<br>or _____ (Insert Customer No. or Attach Bar Code Label)  |  |   |
| here)<br><input checked="" type="checkbox"/> Correspondence Address Below<br><b>NAME</b> Steve De Klerk<br><b>BLAKELY, SOKOLOFF, TAYLOR &amp; ZAFMAN LLP</b><br><b>ADDRESS</b> 12400 Wilshire Boulevard<br>Seventh Floor<br><b>CITY</b> Los Angeles <b>STATE</b> California <b>ZIP CODE</b> 90025<br><b>Country</b> U.S.A. <b>TELEPHONE</b> (408) 720-8300 <b>FAX</b> (408) 720-8383   |  |   |
| <b>Name (PRINT/TYPE):</b> Lehua Wang <b>Registration N .:</b> 48,023<br><b>Signature:</b> <i>Lehua Wang</i> <b>Date:</b> 11/26/2003  |  |   |

**FEE TRANSMITTAL FOR FY 2004**

(FY 2004 Begins 10/01/2003)

**TOTAL AMOUNT OF PAYMENT (\$)** 691.00

Complete if Known:

Application No. Not yet assignedFiling Date HerewithFirst Name and Inventor GANG GUExaminer Name Not yet assignedArt Unit Not yet assignedAttorney Docket No. 0006161.P001☒ Applicant claims small entity status. See 37 CFR 1.27.**METHOD OF PAYMENT** (check all that apply)☒ Check ☐ Credit Card ☐ Money Order ☐ Other ☐ None☒ Deposit AccountDeposit Account Number : 02-2666

Deposit Account Name: \_\_\_\_\_

☒ The Director is Authorized to do the following with respect to the above-identified Deposit Account:☐ Charge fee(s) indicated below.☒ Credit any overpayments.☒ Charge any additional fees during the pendency of this application.☒ Any concurrent or future reply that requires a petition for extension of time should be treated as incorporating an appropriate petition for extension of time and all required fees should be charged.☐ Charge fee(s) indicated below except for the filing fee.**FEE CALCULATION****1. BASIC FILING FEE**

| Large Entity |          | Small Entity |          | Fee Description                    | Fee Paid         |
|--------------|----------|--------------|----------|------------------------------------|------------------|
| Code         | Fee (\$) | Code         | Fee (\$) |                                    |                  |
| 1001         | 770      | 2001         | 385      | Utility application filing fee     | <u>\$385.00</u>  |
| 1002         | 340      | 2002         | 170      | Design application filing fee      | _____            |
| 1003         | 530      | 2003         | 265      | Plant filing fee                   | _____            |
| 1004         | 770      | 2004         | 385      | Reissue filing fee                 | _____            |
| 1005         | 160      | 2005         | 80       | Provisional application filing fee | _____            |
| SUBTOTAL (1) |          |              |          |                                    | <u>\$ 385.00</u> |

**2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE**

|                    |           |          | Extra Claims | Fee from below | Fee Paid   |
|--------------------|-----------|----------|--------------|----------------|------------|
| Total Claims       | <u>40</u> | - 20** = | <u>20</u>    | X 9.00         | = \$180.00 |
| Independent Claims | <u>5</u>  | - 3** =  | <u>2</u>     | X 43.00        | = 86.00    |
| Multiple Dependent |           |          |              | 0              | = _____    |

\*\*Or number previously paid, if greater; For Reissues, see below.

| Large Entity |          | Small Entity |          | Fee Description   |
|--------------|----------|--------------|----------|---|
| Code         | Fee (\$) | Code         | Fee (\$) |   |
| 1202         | 18       | 2202         | 9        | Claims in excess of 20                                    |
| 1201         | 86       | 2201         | 43       | Independent claims in excess of 3                         |
| 1203         | 290      | 2203         | 145      | Multiple dependent claim, if not paid                     |
| 1204         | 86       | 2204         | 43       | **Reissue independent claims over original patent         |
| 1205         | 18       | 2205         | 9        | **Reissue claims in excess of 20 and over original patent |

SUBTOTAL (2) \$ 266.00

# FEE CALCULATION (continued)

## 3. ADDITIONAL FEES

| <u>Larg Entity</u> |                 | <u>Small Entity</u> |                 | <u>Fee Description</u>   | <u>Fee Paid</u> |
|--------------------|-----------------|---------------------|-----------------|--|-----------------|
| <u>Code</u>        | <u>Fee (\$)</u> | <u>Code</u>         | <u>Fee (\$)</u> |  |                 |
| 1051               | 130             | 2051                | 65              | Surcharge - late filing fee or oath  |                 |
| 1052               | 50              | 2052                | 25              | Surcharge - late provisional filing fee or cover sheet                     |                 |
| 1053               | 130             | 1053                | 130             | Non-English specification  |                 |
| 1812               | 2,520           | 1812                | 2,520           | For filing a request for ex parte reexamination                            |                 |
| 1813               | 8,800           | 1813                | 8,800           | Request for inter parties reexamination                                    |                 |
| 1804               | 920*            | 1804                | 920*            | Requesting publication of SIR prior to Examiner action                     |                 |
| 1805               | 1,840*          | 1805                | 1,840*          | Requesting publication of SIR after Examiner action                        |                 |
| 1251               | 110             | 2251                | 55              | Extension for reply within first month                                     |                 |
| 1252               | 420             | 2252                | 210             | Extension for reply within second month                                    |                 |
| 1253               | 950             | 2253                | 475             | Extension for reply within third month                                     |                 |
| 1254               | 1,480           | 2254                | 740             | Extension for reply within fourth month                                    |                 |
| 1255               | 2,010           | 2255                | 1,005           | Extension for reply within fifth month                                     |                 |
| 1401               | 330             | 2401                | 165             | Notice of Appeal   |                 |
| 1402               | 330             | 2402                | 165             | Filing a brief in support of an appeal                                     |                 |
| 1403               | 290             | 2403                | 145             | Request for oral hearing   |                 |
| 1451               | 1,510           | 1451                | 1,510           | Petition to institute a public use proceeding                              |                 |
| 1452               | 110             | 2452                | 55              | Petition to revive - unavoidable   |                 |
| 1453               | 1,330           | 2453                | 665             | Petition to revive - unintentional   |                 |
| 1501               | 1,330           | 2501                | 665             | Utility issue fee (or reissue)   |                 |
| 1502               | 480             | 2502                | 240             | Design issue fee   |                 |
| 1503               | 640             | 2503                | 320             | Plant issue fee  |                 |
| 1460               | 130             | 1460                | 130             | Petitions to the Commissioner  |                 |
| 1807               | 50              | 1807                | 50              | Processing fee under 37 CFR 1.17(q)  |                 |
| 1806               | 180             | 1806                | 180             | Submission of Information Disclosure Stmt                                  |                 |
| 8021               | 40              | 8021                | 40              | Recording each patent assignment per property (times number of properties) | 40.00           |
| 1809               | 770             | 2809                | 385             | For filing a submission after final rejection (see 37 CFR 1.129(a))        |                 |
| 1814               | 110             | 2814                | 55              | Statutory Disclaimer   |                 |
| 1810               | 770             | 2810                | 385             | For each additional invention to be examined (see 37 CFR 1.129(b))         |                 |
| 1801               | 770             | 2801                | 385             | Request for Continued Examination (RCE)                                    |                 |
| 1802               | 900             | 1802                | 900             | Request for expedited examination of a design application                  |                 |
| 1504               | 300             | 1504                | 300             | Publication fee for early, voluntary, or normal pub.                       |                 |
| 1505               | 300             | 1505                | 300             | Publication fee for republication  |                 |
| 1803               | 130             | 1803                | 130             | Request for voluntary publication or republication                         |                 |
| 1808               | 130             | 1808                | 130             | Processing fee under 37 CFR 1.17(i) (except provisionals)                  |                 |
| 1454               | 1,330           | 1454                | 1,330           | Acceptance of unintentionally delayed claim for priority                   |                 |

Other fee (specify) \_\_\_\_\_

Other fee (specify) \_\_\_\_\_

**SUBTOTAL (3) \$ 40.00**

\*Reduced by Basic Filing Fee Paid

## SUBMITTED BY:

Typed or Printed Name: Lehua Wang

Signature:  Date: 11/26/2003

Reg. Number: 48,023 Telephone Number: (408) 720-8300

Send to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450